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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/800,654

03/16/2004

Shinichi Kikuchi

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1123

22850

7590

08/24/2006

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ALEXANDRIA, VA 22314

EXAMINER

ONUAKU, CHRISTOPHER O

ART UNIT

PAPER NUMBER

2621

DATE MAILED: 08/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/800,654	Applicant(s) KIKUCHI ET AL.	
	Examiner Christopher Onuaku	Art Unit 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 17-20 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 19 and 20 is/are allowed.
- 6) ☒ Claim(s) 17 and 18 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>3/16/04</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Terminal Disclaimer

1. The terminal disclaimer filed on 8/17/05 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US Application Serial Nos. 10/417,214; 10/800,644; 10/800,655; 10/800,661; 10/800,686; 10/800,689; 10/800,690; 10/800,760; 10/800,761; 10/800,762; 100/800,851; 10/800,852; 10/800,853; 10/800,855; 10/800,856; 11/004,899; 11/004,900; 11/004,931; 11/005,002; 11/005,017; 11/005,022; 11/005,024; 11/005,026; 11/005,047; 11/005,048; 11/005,050; and 11/005,051, and for Patent No. 6,580,872 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Claim Rejections - 35 USC § 101

2. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

claim 17 is
3. ~~Claims 17 & 18~~ are rejected under 35 U.S.C. 101 because the claims are non-functional descriptive material recorded on recording medium, and therefore nonstatutory. "Nonfunctional descriptive material" includes but not limited to music, literary works and a compilation or mere arrangement of data. When nonfunctional descriptive material is recorded on some computer-readable medium, in a computer or

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an electromagnetic carrier signal, it is not statutory since no requisite functionality is present to satisfy the practical application requirement. Merely claiming nonfunctional descriptive material, i.e., abstract ideas, stored in a computer-readable medium, in a computer, on an electromagnetic carrier signal does not make the claim statutory. (see ANNEX IV of 35 U.S.C 101 Interim guidelines of 3/2/06, enclosed).

Allowable Subject Matter

- 18-20
4. Claims ~~18-20~~ are allowable over the prior art of record.
5. The following is a statement of reasons for the indication of allowable subject matter:

claims 18-19

Regarding ~~claim 19~~, the invention relates to a digital video system (apparatus and method) capable of real-time recording, and an information recording medium (recordable optical disc) used in this system.

The closest reference Nakai et al (US 5,999,698) disclose a digital video disk or digital versatile disk (DVD disk) capable of recording image and audio data on a signal recording medium and reproducing them in synchronism with each other, and a reproduction system therefor.

However, Nakai et al fail to explicitly disclose a method for recording information on an information recording medium, the information medium further comprising a management area separate from the data area and configured to store control information, wherein the control information includes AV file information having movie video object information corresponding to one of the video objects, the movie video

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information includes audio gap information, the movie video object information includes movie video object general information, the movie video object general information includes AO_GAP_LOC information configured to indicate the location of the audio gap, and a video object corresponding to the temporary erased state results from a division of an original video object including the audio/video data, a start position of the division is set as time information.

Regarding claim 20, the invention relates to a digital video system (apparatus and method) capable of real-time recording, and an information recording medium (recordable optical disc) used in this system.

The closest reference Nakai et al (US 5,999,698) disclose a digital video disk or digital versatile disk (DVD disk) capable of recording image and audio data on a signal recording medium and reproducing them in synchronism with each other, and a reproduction system therefor.

However, Nakai et al fail to explicitly disclose a method of reproducing information from an information recording medium, where the information recording medium comprises a management area separate from the data area and configured to store control information, wherein the control information includes AV file information having movie video object information corresponding to one of the video objects, the movie video information includes audio gap information, the movie video object information includes movie video object general information, the movie video object general information includes AO_GAP_LOC information configured to indicate the

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location of the audio gap, and a video object corresponding to the temporary erased state results from a division of an original video object including the audio/video data, a start position of the division is set as time information.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ozaki et al (US 5,991,798) teach a technique for reading data from a WWW (World Wide Web) server or a package medium such as a CD-ROM or a DVD-ROM and displaying the read data by using HTML (hyper Text Markup Language).

Heo (US 6,741,796) teaches a digital versatile disk (DVD), and an apparatus and method for playing the DVD, including an audio DVD and an apparatus and method for playing the same.

Katayama (US 5,902,115) teaches a karaoke recording medium, a method and apparatus for reproducing karaoke data from a karaoke recording medium, and a method and apparatus for recording karaoke data on a recording medium.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Onuaku whose telephone number is 571-272-7379. The examiner can normally be reached on M-F.

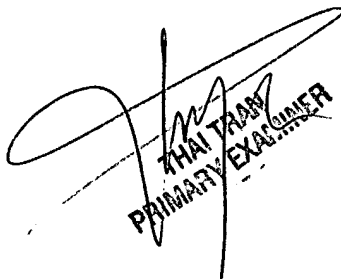
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Groody can be reached on 571-272-7950. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

COO

8/18/06


THAI TRAN
PRIMARY EXAMINER